II.   Listing of the Claims:

This listing of the claims replaces all prior versions and listings of the claims in this application:

1–5.   (Cancelled)

6.   (Currently amended) A network-enabled home appliance that is located within a private network and remotely controllable from a terminal connected to an Internet via a server located on the Internet, wherein said server is connected to the network-enabled home appliance via the Internet, and said server has a command conversion unit for converting an instruction for controlling said network-enabled home appliance received from a user to a command in [[to]] a predetermined format that is specific to [[the]] said network-enabled home appliance,

said network-enabled home appliance comprising:

a control section configured to receive a packet from said server located on the Internet, the packet including [[a]] said command for controlling the network-enabled home appliance, said command being in said predetermined format specific to the network-enabled home appliance when received from said server;

a server address storage section for storing a global address of said server located on the Internet;

a tunneling establishing section for establishing a tunneling connection between the network-enabled home appliance and the server based on the global address of the server; and

a packet processing device for capsulating or [[/]]decapsulating packets, the packets communicated with the server through the tunneling connection, and routing the packets to the control section or the server.

7.   (Previously presented) The network-enabled home appliance of Claim 6, further comprising:

a broker server address storage section for storing an address of a tunneling broker server located on the Internet; and

a server address obtaining section for accessing the tunneling broker server based on the address of the tunneling broker server, and receiving the global address of the server located on the

Internet from the tunneling broker server.

8.   (Currently amended)   A server used on an Internet connection system which comprises a client device located within a private TCP/IP based network, a relay device installed in said client device, and the server, the server being connected to Internet and also to the client device through the Internet and the relay device, said client device being a device that is communicable with the relay device but cannot independently connect to the Internet,

said server on the Internet comprising:

a tunneling establishing section for establishing a TCP/IP session through a tunneling connection with the relay device;

a client device management device for managing the client device in association with the relay device or the tunneling connection;

a routing device for routing a connection from the Internet to the client device, through the tunneling connection to the relay device which is connected to the client device, based on management at the client device management device;

a model identification section for determining if the client device is of a predetermined model or if the relay device is of a predetermined model; and

a command conversion section for converting <u>an instruction for controlling said client device received from a user</u> ~~a command to be sent to the client device~~ to a command in a predetermined format specific to the predetermined model ~~for controlling the client device~~, if the model identification section determines that the client device or the relay device is of the predetermined model.

9-10.   (Cancelled)

11.   (Previously presented) The server of Claim 8, further comprising:

a communication session disconnection section for disconnecting communication sessions or limiting packet transmissions if the model identification section determines that the client device or the relay device is not of the predetermined model.

12.   (Currently amended) A server used on an Internet connection system which comprises a client device located within a private TCP/IP based network, a relay device installed in said client device, and the server, the server being connected to Internet and also to the client device through the Internet and the relay device,

said server on the Internet comprising:

a tunneling establishing section for establishing a TCP/IP session through a tunneling connection with the relay device;

a client device management device for managing the client device in association with the relay device or the tunneling connection; and

a routing device for routing a connection from the Internet to the client device, through the tunneling connection to the relay device which is connected to the client device, based on management at the client device management device;

wherein the client device includes peripheral equipment, which is communicable with the relay device but cannot independently connect to the Internet,

said server further comprising: a command conversion section for converting ~~a command to be sent to~~ an instruction for controlling said peripheral equipment received from a user, to a command in a predetermined format specific to ~~for controlling~~ said peripheral equipment.

13.   (Previously presented) A server used on an Internet connection system which comprises a client device located within a private TCP/IP based network, a relay device installed in said client device, and the server, the server being connected to Internet and also to the client device through the Internet and the relay device, said client device being a device that is communicable with the relay device but cannot independently connect to the Internet,

said server on the Internet comprising:

a tunneling establishing section for establishing a TCP/IP session by means of a tunneling connection with the relay device;

a client device management device for managing the client device in association with the relay device or the tunneling connection;

a routing device for routing a connection from the Internet to the client device, through the tunneling connection to the relay device which is connected to the client device, based on

management at the client device management device;

a network type identification section for determining if a first network environment connected to the client device and/or the relay device is of a predetermined type.

14.   (Previously presented) The server of Claim 13, further comprising:

a communication session disconnection section for disconnecting communication sessions or limiting packet transmissions if a first network environment connected to the client device or the relay device is determined not of the predetermined type.

15.   (Currently amended) A server used on an Internet connection system which comprises a client device located within a private TCP/IP based network, a relay device installed in said client device, and the server, the server being connected to Internet and also to the client device through the Internet and the relay device, said client device being a device that is communicable with the relay device but cannot independently connect to the Internet,

said server on the Internet comprising:

a tunneling establishing section for establishing a TCP/IP session through a tunneling connection with the relay device;

a client device management device for managing the client device in association with the relay device or the tunneling connection; and

a routing device for routing a connection from the Internet to the client device, through the tunneling connection to the relay device which is connected to the client device, based on management at the client device management device; and

a state information obtaining section for obtaining at least one of an operation state, a usage state and location information of the client device [[and/]] or the relay device.